

Converting Colors

$Yxy(50.6514, 0.2251, 0.2613)$

Have a look what the booklet for
Yxy(50.6514, 0.2251, 0.2613)
contains.

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Color

Yxy(50.8182, 0.2251, 0.2618)

Conversions

Conversions Part 1

Format	Color
Hex	68C7FC
RGB	104, 199, 252
RGB Percent	41%, 78%, 99%
CMY	0.5925, 0.2195, 0.0118
CMYK	0.59, 0.21, 0.00, 0.01
HSL	201°, 96%, 70%
HSV	201°, 59%, 99%
XYZ	43.6943, 50.8182, 99.5982
YIQ	176.6370, -73.6330, -3.6570

Conversions

Conversions Part 2

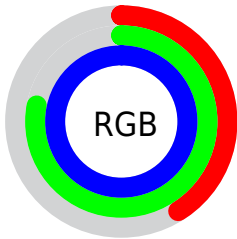
Format	Color
RYB	104, 162, 252
Decimal	6866940
CIELab	76.57, -13.11, -34.54
CIELCh	77, 36.949, 249.215
Yxy	50.8182, 0.2251, 0.2618
Android (android.graphics.Color)	4285057020 (0xFF68C7FC)
YUV	176.6370, 37.1540, -63.7026
Hunter-Lab	71.2869, -15.3429, -32.9360

Details

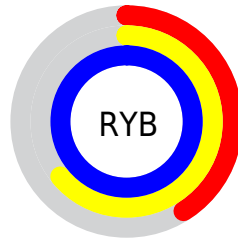
The Yxy color **50.8182, 0.2251, 0.2618** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.7706, 0.4576, 0.3831**, and the grayscale version is **43.5870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **24.4239, 0.2040, 0.2439** is the 20% darker color. If you saturate the color by 10%, you get **45.5049, 0.2135, 0.2480**, and if you desaturate by 10%, it is **56.8312, 0.2383, 0.2752**.

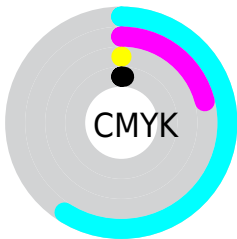
Distribution



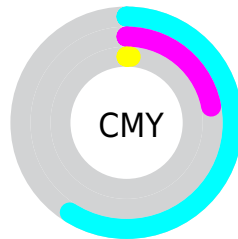
- Red (41%)
- Green (78%)
- Blue (99%)



- Red (41%)
- Yellow (64%)
- Blue (99%)



- Cyan (59%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)



- Cyan (59%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8182, 0.2251, 0.2618 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 50.8182, 0.2251, 0.2618 by changing the saturation by 10% instead.

■ 50.8182, 0.2251,
0.2618

■ 50.8182, 0.2251,
0.2618

■ 389.8570, 0.2664,
0.2948

■ 36.0639, 0.2156,
0.2539

■ 91.3860, 0.2395,
0.2736

■ 24.4836, 0.2040,
0.2440

■ 117.9683, 0.2451,
0.2781

■ 15.6927, 0.1893,
0.2313

■ 149.2621, 0.2499,
0.2819

■ 9.3070, 0.1704,
0.2144

■ 185.6518, 0.2541,
0.2852

■ 4.9420, 0.1457,
0.1914

■ 227.5217, 0.2578,
0.2881

■ 2.2132, 0.1125,
0.1588

■ 275.2563, 0.2610,

■ 0.7272, 0.0572,

0.2906

0.1120

329.2399, 0.2639,
0.2928

0.0000, 0.0000,
0.0000

50.8182, 0.2251,
0.2618

50.8182, 0.2251,
0.2618

45.5049, 0.2135,
0.2480

56.8312, 0.2383,
0.2752

40.8402, 0.2039,
0.2340

63.5790, 0.2526,
0.2880

36.7723, 0.1964,
0.2201

71.1001, 0.2678,
0.2999

33.2256, 0.1909,
0.2066

79.4283, 0.2834,
0.3110

32.8119, 0.1903,
0.2050

88.5951, 0.2991,
0.3210

98.6089, 0.3145,
0.3301

99.8081, 0.3144,
0.3319

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.8182, 0.2236, 0.2941



50.8182, 0.2251, 0.2618



50.8182, 0.2476, 0.2492

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.8182, 0.2251, 0.2618



50.8182, 0.3852, 0.3117



50.8182, 0.3312, 0.4176

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.8182, 0.2251, 0.2618



45.7706, 0.4576, 0.3831

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.8182, 0.3773, 0.4151



50.8182, 0.2251, 0.2618



50.8182, 0.4109, 0.3512

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.8182, 0.2251, 0.2618



50.8182, 0.3388, 0.2778



50.8182, 0.4073, 0.3889



50.8182, 0.2823, 0.3897

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.8182, 0.2251, 0.2618



50.8182, 0.2729, 0.2515



50.8182, 0.4073, 0.3889



50.8182, 0.3475, 0.4201

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.8200, 0.2251, 0.2618



82.2761, 0.2846, 0.3117



74.9485, 0.2821, 0.4548



17.0545, 0.2800, 0.3087



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.8200, 0.2251, 0.2618



45.5981, 0.2112, 0.2448



24.9196, 0.2037, 0.1651



18.5026, 0.2980, 0.3203



17.3815, 0.1909, 0.2072



1.8102, 0.1954, 0.2234

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.7022, 0.3745, 0.2346



29.8784, 0.3935, 0.2218



78.1664, 0.4086, 0.4506



17.4130, 0.3193, 0.3139



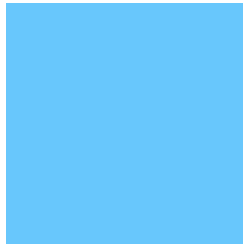
12.1656, 0.4372, 0.2182



1.1470, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 50.8182, 0.2251, 0.2618 looks on a white background.

Color Contrast Check

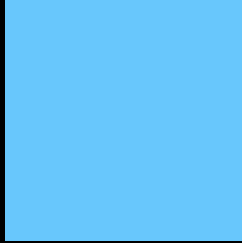
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 50.8182, 0.2251, 0.2618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

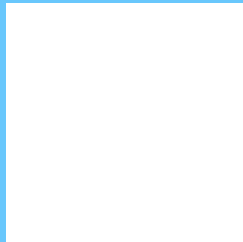
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8182, 0.2251, 0.2618

Background



This preview shows how black text looks on a background with the Yxy color 50.8182, 0.2251, 0.2618.

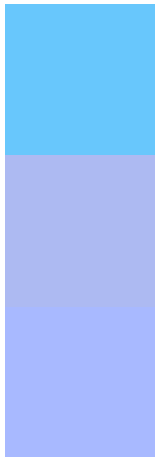


This preview shows how white text looks on a background with the Yxy color 50.8182, 0.2251, 0.2618.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.8182, 0.2251, 0.2618

Protanopia

50.4129, 0.2643, 0.2622

Deuteranopia

50.2428, 0.2535, 0.2470



Tritanopia

51.1072, 0.2354, 0.3069

Trichromacy



Original Color

50.8182, 0.2251, 0.2618

Protanomaly

50.2113, 0.2472, 0.2614

Deuteranomaly

50.0024, 0.2413, 0.2514

Tritanomaly

51.0249, 0.2318, 0.2902

Monochromacy



Original Color

50.8182, 0.2251, 0.2618

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.5416, 0.2719, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8182, 0.2251, 0.2618 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(104, 199, 252)` looks like.

```
.text, #text, p{  
    color:rgb(104, 199, 252)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(104, 199, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 199, 252) }
```

Border

The CSS property to change the border of an element to Yxy 50.8182, 0.2251, 0.2618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 199, 252) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(104, 199, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(104, 199, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 199, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 199, 252);  
box-shadow:4px 4px 4px 4px rgb(104, 199,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8182, 0.2251, 0.2618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 199, 252) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(104,  
199, 252) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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